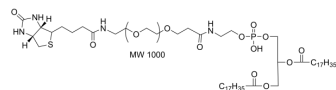


## Phospholipid-PEG-Biotin (MW 1000)

<b>Cat. No.:</b>	HY-147207
<b>Target:</b>	Liposome
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Phospholipid-PEG-Biotin (MW 1000) is a phospholipid PEG derivative that has a biotin and a phospholipid bridged by a linear PEG linker. Phospholipid-PEG-Biotin (MW 3400) can interact with avidinylated antibodies. Phospholipid-PEG-Biotin (MW 3400) can be used to modify liposome and cells surface, and pancreatic islets for cell transplantation<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Chen Y, et al. A rapid and efficient technique for liposomal and nonliposomal drug pharmacokinetics studies using magnetic nanoprobes and its application to leakage kinetics of liposomes. *J Chromatogr A*. 2018 Dec 14;1580:2-11.
- [2]. Hoenius M, et al. Biotinylated Stealth magnetoliposomes. *Chem Phys Lipids*. 2002 Dec;120(1-2):75-85.
- [3]. Teramura Y, et al. Influence of molecular weight of PEG chain on interaction between streptavidin and biotin-PEG-conjugated phospholipids studied with QCM-D. *Acta Biomater*. 2016 Jan;30:135-143.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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